

FIG. 1

250

GATEWAY LOGIC

RECONFIGURABLE
ATM ADAPTION LAYER
• VOICE
• FAX
• MULTIMEDIA WITH QoS
• TCP/IP INTERNET
SERVICES

XDSL
CPE
STREAM

252

MICROPROCESSOR 208

GATEWAY
FIREWALL

210

RADIO SECTION

TUNER MODULES
• DBS
• UHF
• VHF
• CABLE

202

RADIO TRANSMITTER

231

BPF

232

236

RADIO RECEIVER

240

BPF

242

246

244

238

DEMODULATORS
• QPSK
• QAM
• VSB
• NTSC
• OTHER

204

DECODERS

206

PUNCTURE ENCODER

122

PUNCTURE
PROCESSOR

204

TRELLIS
ENCODER

212

REED
SOLOMON
ENCODER

112

MODULATOR

218

ADAPTIVE CONTROLLER

254

CPU

110

256

DECODER

222

220

200

FIG. 2

230

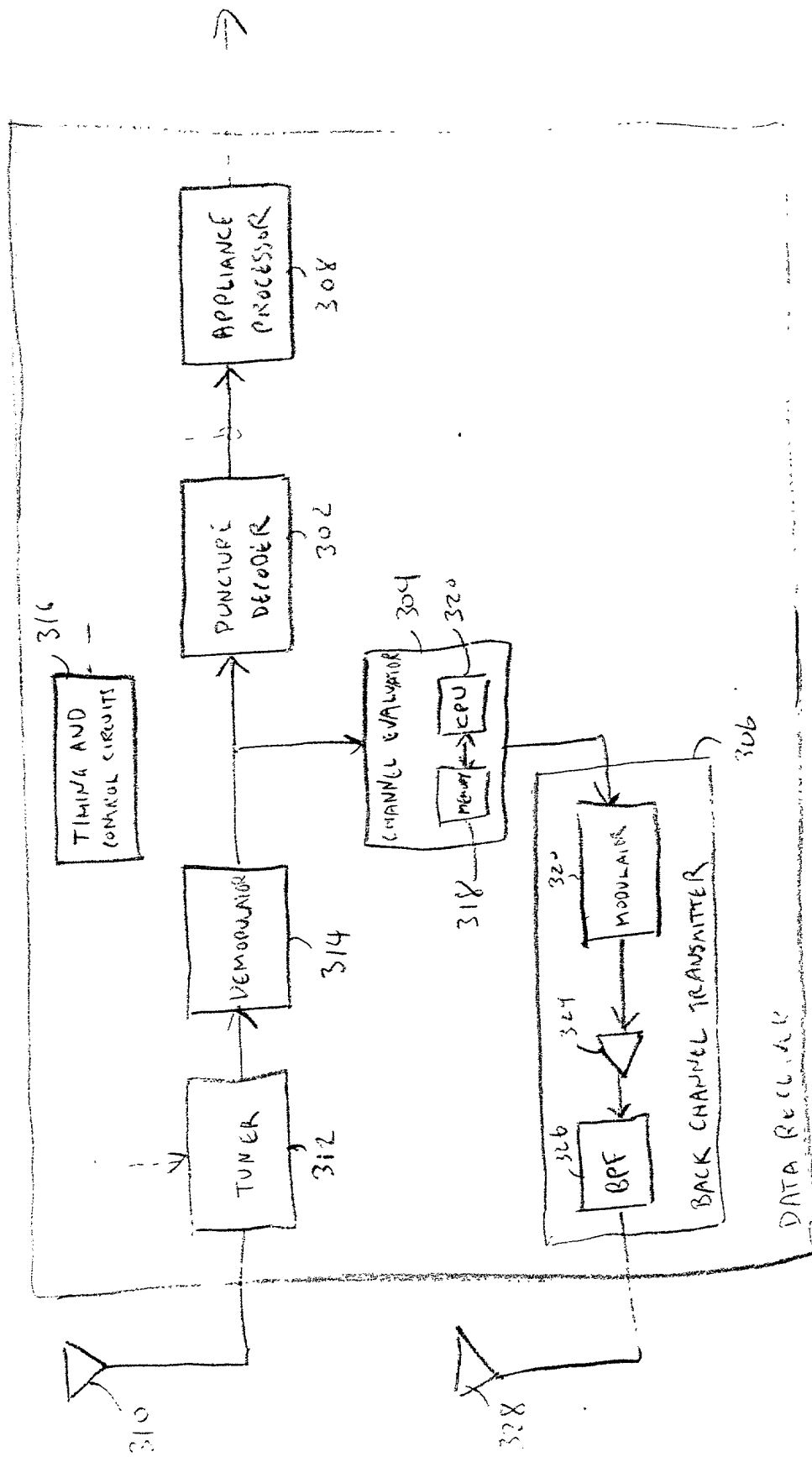


FIG. 3